84876

Chemistry of Unsaturated Ethers. V. Acetals of Vinyl Acetaldehyde. A New Method of Synthesizing 1-Alkoxy-dienes-1,3

S/079/60/030/010/016/030
B001/B066

of croton aldehyde shows an absorption band characteristic of a substituted vinyl group (Ref. 9). When passing acetal vapors of vinyl acetaldehyde in vacuo at 350°C over the acid catalyst $MgHPO_4$, 1-alkoxy-butadiene-1,3 (VII) resulted (Scheme 5). With maleic aldehyde, the 1-alkoxy-dienes-1,3 gave the adducts (VIII). Their hydrolysis (Scheme 6) yields crystalline alkoxy-tetrahydrophthalic acids (IX). There are 12 references: 9 Soviet, 2 US, and 1 Japanese.

ASSOCIATION: Moskovskiy institut tonkoy khimicheskoy tekhnologii (Moscow Institute of Fine Chemical Technology)

SUBMITTED: December 7, 1959

Card 3/3

KRUPTSOV, B. K.

Cand Chem Sci - (diss) "Synthesis and transformations of simple vinyl and diene esters." Moscow, 1961. 15 pp; (Academy of Sciences USSR, Inst of Organic Chemistry imeni N. D. Zelinskiy); 200 copies; price not given; (KL, 6-61 sup, 198)

MAKIN, S.M.; KRUPTSOV, B.K.

Chemistry of unsaturated ethers. Part 5: Acetals of vinylacetaldehyde. New method of synthesizing 1-alkoxy-1, 3-dienes. Zhur.ob.khim. 30 no.10:3276-3280 O '61. (MIRA 14:4)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii.
(Ethers) (Acetaldehyde)

MAKIN, S.M.; KRUPTSOV, B.K.

Chemistry of unsaturated ethers. Part 12: Structural orientation of diene condensations of 1-alkoxydienes with asymmetrical dienophyls. Zhur.ob.khim. 32 no.8:2521-2527 Ag '62. (MIRA 15:9)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni M.V. Lomonosova.
(Butadiene) (Ethers)

MAKIN, S.M.; KRUPTSOV, B.K.; MEDVEDEVA, V.M.; SMIRNOVA, L.N.

Chemistry of unsaturated ethers. Part 13: Reaction of acetalization of 1,1,3-trialkoxyalkanes and the synthesis of 1-alkoxy-1,3-dienes with heavy alkoxy groups. Ultraviolet spectra and Raman spectra of 1-alkoxy-1,3-dienes. Zhur.ob.khim. 32 no.8:2527-2535 Ag '62. (MIRA 15:9)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni M.V. Lomonosova.

(Butadiene--Spectra) (Alkoxy groups)

6

KAMYEVA, A.F., MOLYCHENKO, L.A., KECHEYAN, KH.YE., PAVLICHEV, A.F., ARGIMAN, S.M., KRUPIBOV, B.K.

Experimental data about the production of phthalic anhydride by oxidation of o-xylol

Report to be submitted for the 12thConference on high molecular weight compounds devoted to monomers, Baku, 3-7 April 62

PUDOVIK, A.N.; ZHURUNOV, G.P.

Addition of diphosphorous acid anilide to Schiff bases. Zhur. ob. khim. 35 no.8:1502-1503 Ag '65. (MIRA 18:8)

1. Kazanskiy gosudarstvennyy universitet.

AL'PERIN, P.M., doktor med.nauk; ANSHELVITS, M.Ya.; GUREVICH, I.B.; KRUPYANKO, V.Ye.; MELAKHOVA, O.P.; RODINA, R.I. (Moskva)

Compound treatment of suppurative diseases of the lungs. Vrach.delo no.12:1343 D '57. (MIRA 11:2)

1. TSentral'nyy ordena Lenina Institut gematologii i perelivaniya krovi.
(LUNGS--DISEASES)

KRUKYANKO, V.Ye.

Effect of blood transfusion on renal function and plasma flow in anemias [with summary in English, p.62]. Probl.gemat. i perel. krovi 4 no.2:46-49 F '59. (MIRA 12:2)

1. Iz TSentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - deystvitel'nyy chlen AMN SSSR prof. A.A. Bagdasarov) Ministerstva zdravookhraneniya SSSR.

(ANEMIA, ther.
blood transfusion, eff. of homologous blood on renal funct. (Rus))
(BLOOD TRANSFUSION, in var. dis.
anemia, eff. of homologous blood on renal funct. (Rus))
(KIDNEYS, physiol
eff. of transfusion of homologous blood in ther. of anemia (Rus))

AL'PERIN, P.M., prof.; ANSHEVITS, M.Ya.; GUREVICH, I.B.; KRUPYANKO, V.Ye.; MELEKHOVA, O.P.; RODINA, R.I.

Treating bronchiectasis and abscess of the lungs with antibiotics in combination with hemotherapy. Sov.med. 24 no.9:51-56 S '60. (MIRA 13:11)

1. Iz TSentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - deystvitel'nyy chlen AMN SSSR prof. A.A. Bagdasarov) Ministerstva zdravookhraneniya SSSR.
(BRONCHIECTASIS) (LUNGS—ABSCESS) (ANTIBIOTICS)
(BLOOD—TRANSFUSION)

BAGDASAROV, A.A., prof. [deceased]; AL'PERIN, P.M., prof.; KLUPYANKO, V.Ye.; POLUSHINA, T.V. (Moskva)

Use of polyglucin in the treatment of edema. Klin.med. no.1: 91-94 '62. (MIRA 15:1)

1. Iz TSentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - deystvitel'nyy chlen AMN SSSR prof. A.A. Bagdasarov [deceased]).
(DEXTRAN) (EDEMA)

KRUPYANSKAYA, V.Yu.

"Some aspects of the mode of life of workers of the Chiatura manganese industry." A.I.Kobakidze. Reviewed by V.IU.Krupianskaia. Sov.etn. no.3:160-162 '54. (MLRA 7:11)
(Chiatura--Labor and laboring classes) (Labor and laboring classes--Chiatura) (Kobakidze, A.I.)

AUTHOR: Krupyanskaya, V. Yu., Candidate of Philological Sciences 3o-2-27/49

TITLE: Scientific Connections Between Ethnographers of the Soviet Union and of Czechoslovakia (Nauchnyye svyazi mezhdu etnografami Sovetskogo Soyuza i Chekhoslovakii)

PERIODICAL: Vestnik Akademii Nauk SSSR, 1958, Nr 2, p 92- (USSR)

ABSTRACT: Soviet scientists took part in conferences dealing with the way of life of the workers which were called by the Czechoslovakian and Slovakian Academy of Science. The Czechoslovakian specialists for problems of the way of life of the worker K. Foytik and O. Skal'nikova visited the scientific conferences of the Institute for Ethnography of the AN USSR. K. Foytik, O. Syrovatka, O. Skal'nikova, V. Korbusitskiy and Ya. Iyekh investigated several industrial areas of the country and compiled monographs on this field. The author had been invited to attend a meeting of the Slovakian Academy of Science at the end of 1957. A number of general questions were investigated: the application of the method of enquete in monographic research, the way of

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Scientific Connections Between Union and of Czechoslovakia — Ethnographers of the Soviet — 3o-2-27/49

investigating the intellectual life of the population and the coordination of work. The author in particular underlines the here applied method of parallel folkloristic and ethnographic investigations.

AVAILABLE: Library of Congress

1. Ethnology-Czechoslovakia 2. Ethnology-USSR 3. Economic conditions-Czechoslovakia

Card 2/2

KRUPYANSKAYA, V. YU. POTAPOV, L. P. TERENTIEVA, L. N.

"PROBLEMES ESSENTIELS DE L'ETUDE ETHNIGRAPHIQUE DES PEUPLES DE L'URSS"

report presented at The Sixth International Congress on Anthropological and Ethnological Sciences, Paris 31 July-7 August 1960.

KRUPYANSKIY, F. Yu

Organizatsiya i planirovaniye pochtovoy svyazi (Organization and planning of postal communications by) A. A. Vishnevskiy i F. Yu Krupyanskiy Moskva, Svyazizdat, 1952. 458 p. diagrs., tables.

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SOLOVEYCHIK, L.M.; GENIN, L.S.; KRUPYANSKIY, F.Yu.; RAZGOVOROV, A.V.; TRAUBENBERG, I.A.; RUBINA, P.M., otv. red.; KUZ'MINA, R.A., red.

[Principles of the methodology of planning future needs in general usage service] Osnovy metodologii perspektivnogo planirovaniia potrebnostei v sviazi obshchego pol'zovaniia; informatsionnyi sbornik. Moskva, Sviaz', 1964. 77 p. (MIRA 17:12)

VISHNEVSKIY, Aleksandr Appolinar'yevich, doktor ekon. nauk, prof.;
KRUPYANSKIY, Fedor Yur'yevich, kand. ekon. nauk, dots.;
PAPINAKO, I.G., red.

[Organization and planning of postal communications] Organizatsiia i planirovanie pochtovoi sviazi. Moskva, Izd-vo "Sviaz'," 1964. 328 p. (MIRA 17:8)

KHUPYANSKIY, Fedor Yur'yevich; VISHNEVSKIY,A.A., redaktor; ANDREYENKO,Z.D., redaktor; KHELEMSKAYA,L.M., tekhnicheskiy redaktor

[Labor productivity in communication] Proizvoditel'nost' truda v khoziaistve sviazi. Moskva, Gos.izd-vo lit-ry po voprosam sviazi i radio, 1954. 34 p. [Microfilm] (MLRA 9:3)
(Communication and traffic) (Labor productivity)

KRUPYANSKIY, F.Yu.; VLASOV, M.A., otvetstvennyy redaktor; SIDOROVA, T.S., redaktor; BERESLAVSKAYA, L.Sh., tekhnicheskiy redaktor.

[Labor productivity in communications and ways of increasing it] Proizvoditel'nost' truda v khoziaistve sviazi i puti ee povysheniia. Moskva, Gos.izd-vo lit-ry po voprosam sviazi i radio, 1957. 67 p. (MLRA 10:4)

(Labor productivity) (Telecommunication)

KRUPYSHEV, G.N.

PA - 3111

AUTHOR: ZHEZHERIN, R.P., KRUPYSHEV, G.N., MARTYNOV, A.M. (Leningrad)

TITLE: A Parametric Generator. (Parametricheskiy generator. Russian).

PERIODICAL: Elektrichestvo. 1957, Nr 5, pp 69 - 71 (U.S.S.R.)

Received: 6 / 1957 Reviewed: 7 / 1957

ABSTRACT: The parametric 3PG generator finds its practical application as a power supply source for radio technical and other installations with an output from several dozen to several hundred watts. It is an A.C. machine whose ferromagnetic rotor exhibits its own cogged form and which has no windings. The 3PG generator forms its own group of machines. The selfregulation of the generator is investigated and then the working characteristics. The greatest interest for the practical application of the 3PG is its use as a single phase current source with raised frequency in connection with an effective load. The peculiarity of the 3PG with a given torrional moment is that by reducing the effective load P_2 hardly changes its speed at all.

The output consumed by the generator, however, appears in itself as loss. The 3PG is very simple in its construction which guarantees its dependability in action. It is practical to use the generator under a work laod as a current source of less output (10 - 200 W) with a raised frequency of 400 to 2000 Cycles. A valuable attribute of this generator is the possibility of its application in connec-

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PA - 3111

A Parametric Generator.

tion with hard to regulate systems. In these cases the 3PG generator makes it possible to maintain a sufficiently stable voltage by modifying the load from zero to a nominal value. (with 6 illustrations).

ASSOCIATION: Not given
PRESENTED BY:
SUBMITTED: 29.1o.1956
AVAILABLE: Library of Congress

Card 2/2

SOV/110-59-2-2/21

AUTHORS: Zhezherin, R.P., Candidate of Technical Sciences, and Krupyshev, G.N., Engineer

TITLE: A Machine Type High-Frequency Generator with Excitation Circuits (Elektromashinnyy generator vysokoy chastoty s vozbuzhdayushchimi konturami)

PERIODICAL: Vestnik Elektropromyshlennosti, 1959, Nr 2, pp 4-8 (USSR)

ABSTRACT: Valve type generators for frequencies of 10 - 30 kc/s and above are very bulky and are difficult to operate on variable loads. There is accordingly great need of machine type generators for such frequencies. The authors have found a new way of increasing the frequency developed by a machine without altering the number of poles on the rotor. With the new generator it is possible to obtain frequency twice as high as from machines of the normal inductor type. This article describes the construction and operating principles of the generator and gives experimental test data. The aim of the tests was not to obtain the highest possible frequency but only to verify the principle of the machine. The machine is illustrated schematically in Fig 1; it has a toothed rotor like that of reactive or inductor machines. On the

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A Machine Type High-Frequency Generator with Excitation Circuits

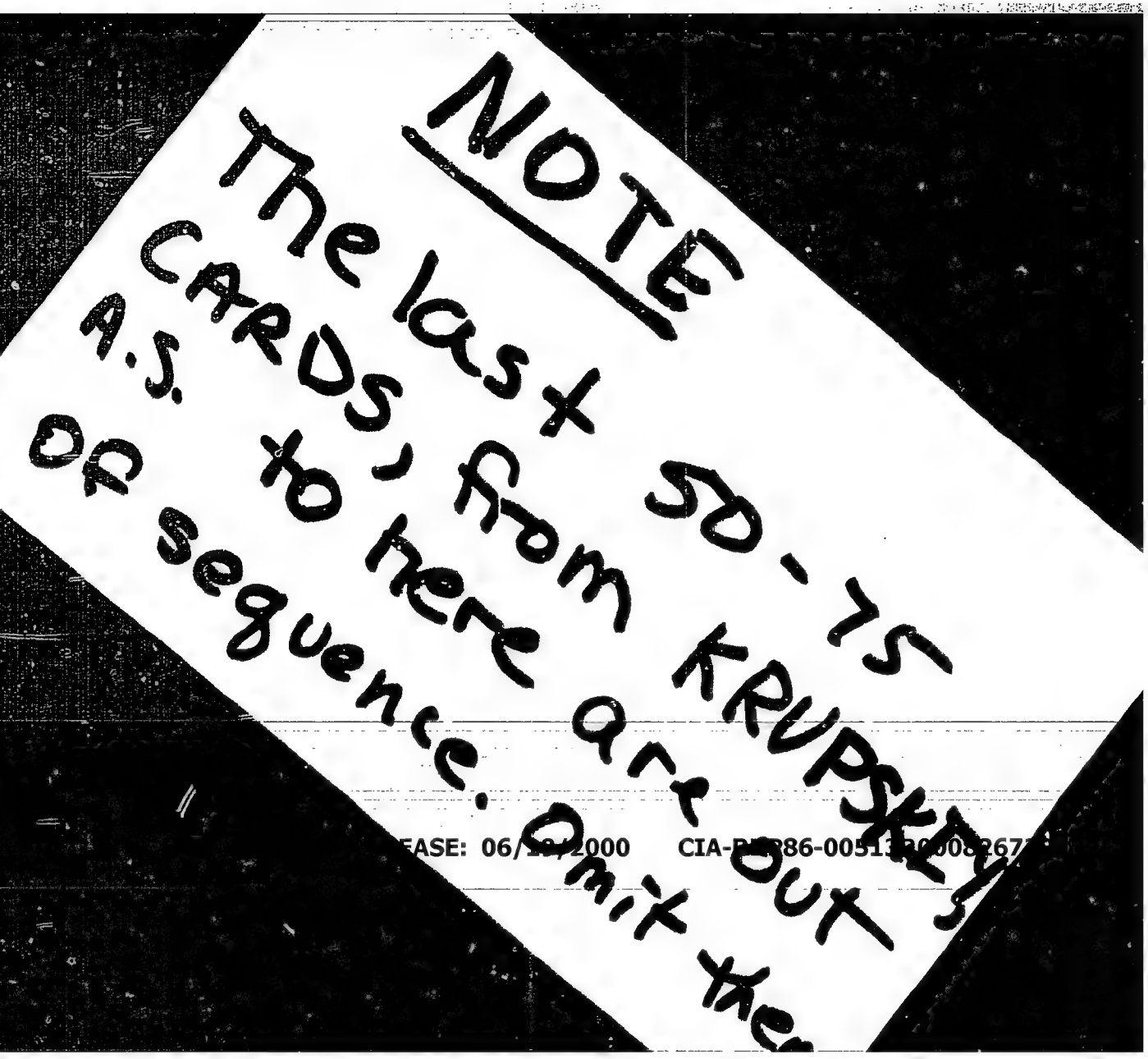
stator there are teeth which form ridges displaced from one another by an angle of $\pi/2$. So far the generator construction is similar to that of a two-phase inductor machine. Three types of winding are located in the stator slots between the ridges, a control winding with direct current, a two-phase a.c. excitation winding with frequency f_2 and a single phase generated current winding of frequency f_4. It is explained that $f_4 = 2f_2$. To save space the control and excitation winding can be combined, and this is the circuit illustrated in Fig 2. The operating principles of the generator are as follows: The d.c. in the control winding sets up a magnetic field between the stator and rotor, the distribution of which depends on the position of the rotor teeth. As the rotor turns there is periodic redistribution of this flux between the stator teeth and so e.m.f.'s are induced in the windings just as in a two-phase inductor machine. The connections to each phase are brought out separately, each phase is connected to a capacitor and, therefore, capacitative currents of frequency f_2 flow in the excitation coils. The magnetic reaction field set up by

A Machine Type High-Frequency Generator with Excitation Circuits

the capacitative currents is the excitation field for e.m.f.'s of frequency f_4 that are set up in each of the stator coils. The excitation windings are so connected that the sum of the f_4 frequency currents in them is zero, but in the working windings the e.m.f.'s of frequency f_4 are added together and those of frequency f_2 subtracted. The load is supplied at a frequency f_4 and is connected to the generator terminals through a series capacitor as in Fig 2c or through a parallel capacitor as in Fig 2b. Tests were made on an experimental machine, the main dimensions of which are given. The profiles of the stator and rotor stampings are shown in Fig 3. Design details of the windings are given. The way in which the no-load characteristic is affected by the value of the capacitance in the excitation circuit is demonstrated graphically in Fig 4. The shape of these curves is discussed. Short circuit curves with various values of capacitance in the excitation circuit are given in Fig 5. The relationship between the operating voltage and the control current is given in Fig 6, with one value of capacitance and several values of active load. If

A Machine Type High-Frequency Generator with Excitation Circuits

the load is too heavy, particularly if it is inductive, the machine may fail to excite. The behaviour of the generator on purely capacitative loads is explained with reference to Fig 7. Figs 8 and 9 show regulation characteristics for two different values of capacitance when the load beyond the series capacitor is pure resistance. The effect of voltage on the regulation characteristics is illustrated by the graphs of Fig 10. The external characteristics of the generator are shown in Fig 11 for three types of load, and in Fig 12 for active load in the circuit with series capacitor and without it for two values of control current. The generator has good amplifying properties combined with low time constants of all the circuits. The oscillogram given in Fig 13 shows the speed at which the output voltage of the generator falls when the control winding is short circuited. The reactive output of the phase capacitors



YUGOSLAVIA

Radovan KRUKIC and Nadeljka SAVIC-DANG[illegible], Dermatovenercologic Clinic of the Military Medical Academy (Dermatovenerološka klinika Vojnomedicinske akademije) Head (Upravnik) Col Prof Dr Miladin GILIC; and Dermatovenereologic Clinic of the Medical Faculty of the University (Medicinski fakultet Univerziteta) Head Prof Dr Sima ILIC, Belgrade.

"Some Frequent Photodermatoses."

Belgrade, Srpski Arhiv za Celokupno Lekarstvo, Vol 90, No 11, Nov 62; pp 1071-1077.

Abstract [German summary modified]: Review of overexposure (photocytotoxic) and hypersensitivity (Photodynamic) dermatoses, with 3 brief case reports ("morbus pratensis," Phenergan photosensitivity, and solar urticaria.) Seven Western references.

1/1

KRUKIEREK, KAZIMIERZ.

Bezpieczenstwo i ochrona pracy w Kopalnictwie naftowym. (Wyd. 1.) Stalinogrod, Wydawn. Gorniczo-Hutnicze, 1955. 34p. (Biblioteczka naftowca, t. 15) (Labor protection and safety in well boring. 1st ed. illus.)

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, no. 3, March 1956

KRUKIEREK, S.

Prevention of pelvic dystocia. Polski tygod.lek. 5 no.27-28:1059-1063 10 July 50. (CIML 20:5)

1. Of the Obstetric-Gynecological Clinic (Director--Prof.Adam Czyzewicz,M.D.) of Warsaw Medical Academy.

KRUKIEREK, S.

Sex characteristics of the human pelvis. Polski tygod.lek. 5#33-34: 1208-1217 21 Aug 50. (CIML 20:6)

1. Of the Obstetrical and Female Diseases Clinic of the Warsaw Medical Academy (Director--Prof.Adam Czyzewicz,M.D.) and of the Institute of Statistical Mathematics of the Main Agricultural School in Warsaw (Director--Prof.Waclaw Pytkowski, M.D.).

KRUKIEREK, S.

Effect of social environment on development of the female pelvis. Polski tygod.lek. 5 no.46:1608-1612 13 Nov 50. (CLML 20:5)

1. Of the Clinic of Obstetrics and Female Diseases (Director -- Prof. Adam Czyzewicz,M.D.) of Warsaw Medical Academy.

KRUKIEWICZ, Ryszard, inz.; ZIELINSKI, Stefan, mgr inz.

Influence of the roasting of Leczyca ore on its crushability.
Wiad hut 19 no. 6: 145-148 Je '63.

KRUKIYER, A.D., inzh.

Heating of the release pins of high-pressure cylinders. Energetik. 13 no.9:20-21 S '65. (MIRA 18:9)

KEL'MAN, A.A., kandidat meditsinskikh nauk [deceased]; KRUKIYER, M.D. (L'vov)

Antitoxic function of the liver in cancer of the cervix uteri during radiotherapy. Klin.med. 33 no.4:85 Ap '55. (MLRA 8:7)

1. Iz L'vovskogo oblastnogo onkologicheskogo dispansera (glavnyy vrach - kandidat meditsinskikh nauk A.A.Kel'man)

(ROENTGEN RAYS, effects,
on liver funct., in ther. of cancer of cervix)
(CERVIX, UTERINE, neoplasms,
ther., x-rays, liver funct. in)
(LIVER FUNCTION TESTS, in various diseases,
cancer of cervix, in x-ray ther.)

KEIKLAN'DE, M. YA.

KEIKLAN'DE, M. YA.- "Dynamics of the Soil Microflora in the Process of Decomposition of Plowed-under Layer of Perennial Grass." Min of Higher Education USSR, Leningrad Agricultural Inst, Leningrad, 1955 (Dissertations For the Degree of Candidate of Biological Sciences)

SO; Knizhnaya Letopis' No. 26, June 1955, Moscow

KRUKLE, M. (Riga); Yaunputnin', A. [Jaunputnins,A.] (Riga)

Age of certain buried peats in the Daugava valley. Vestis Latv ak no.9:119-124 '59. (EEAI 9:10)

1. Akademiya nauk Latviyskoy SSR, Institut geologii i poleznykh iskopayemykh.
(Latvia--Peat)

KRUKLE, M.; STELLE, V.; VEYNBERGS, I. [Veinbergs, I.]

Interstadial sediments at the Burzava railroad station in the Latgale upland. Izv. AN Latv. SSR no.5:77-84 '63. (MIRA 17:1)

1. Institut geologii AN Latviyskoy SSR.

KRUKLE, M.; LUSINA, L.; STELLE, V.

Interglacial sediments in the Lubana Lowlands. Vestis Latv ak no.4:77-85 '62.

1. Latvijas PSR Zinatnu akademijas Geologijas instituts.

KRUKONIS, V. T.

Min Higher Education USSR. Moscow Order of Lenin Power Engineering Inst imeni V. M. Molotov.

KRUKONIS, V. T.: "The reconstruction of systems of regulations and oil supply of the AP-50 and VK-100 turbines and some problems of hydraulic connections." Min Higher Education USSR. Moscow Order of Lenin Power Engineering Inst imeni V. M. Molotov. Moscow, 1956.
(Dissertation for the Degree of Candidate in Technical Sciences)

SO: Knizhnaya Letopis, No. 20, 1956.

BASOV, Nikolay Gennadiyevich; KRUKOV; ZUYEV, V. S.

"Increase of Power of Pulsed Ruby Optical Quantum Generator by Modulation of Resonator Quality Factor"

Paper presented at Optical Society of America Meeting, Washington, D. C. 14-17 March 62

KRUKOV, L.N.

Artificial propagation of Buxus sempervirens L. by cuttings. Bot. Zhur. 37, No.1, 65-66 '52. (MLRA 5:1)
(Biol.A 28 no.3:6871 '54)

1. YU. B. KNUKOV, A. N. BANKIROV

2. USSR (600)

4. Catalysts

7. Method for studying iron catalysts for synthesizing hydrocarbons for carbon monoxide and hydrogen. Trudy Inst. nefti. 1954.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

USSR / General Problems of Pathology. Immunity. U

Abs Jour: Ref Zhur-Biol., No 9, 1958, 41859.

Author : Krukova, I. N.
Inst : Not given.
Title : Acquired Immunity to Heterogenous Serum in Rats.

Orig Pub: Bul. eksperim. biol i meditsiny. 1957, 43, No 4, 78-79.

Abstract: Rat embryos, in the 17-18th day of development were injected intramuscularly or subcutaneously with 0.03-0.04 ml of horse serum (HS). In two to two and one half months after their birth, 11 experimental and 9 control rats were immunized intraabdominally to HS. Lowering of the precipitation titer, as compared with controls, was observed in the offspring 2 and 3 of the operated rats within 7 days following the end of the immunization; in 1 small rat complete tolerance to HS was noted. -- A. S. Shevelev.

Card 1/1

KRUKOVA, I. N. (USSR)

'The Rous sacroma virus in the mammalian organism."

report submitted for the European Conference on Tumor Biology (4 ICC),
Warsaw, Poland
22-27 May 1961

Krukova, I. N.-Inst. of Experimental and Clinical Oncology, A.M.S. Meshchanskaya 61/2,Moskva

1380 **Serological differentiation of Rous sarcoma and normal tissue extracts (Russian text)** ZILBER L. A., KRUKOVA N., NARZELESOV N. V. and BEERUTEENA T. I. *Vopr. Onkol.* 1958, 4/3 (268-270)

0.05 to 1 ml. of the centrifuged extract of normal chick muscle obtained by crushing in physiological saline in the ratio 1:3 was introduced into the embryos of pregnant rats on the 16th to 19th days of the pregnancy. After birth the newborn rats were given 0.1 ml. of the same extract s.c. Eight 2.5-month-old rats treated in this way were immunized i.p. with the cell-free extract of Rous sarcoma in the ratio of 1:5. The immunization was performed 5 times in doses of 1, 2, 2, 3 and 3 ml. Similar immunization was also applied to control animals which had received no normal tissue extract during the embryonal period. The immunized animals were bled 17 and 40 days after the last immunization, and in the sera the complement-fixation

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tests, with filtrated extracts from normal chick muscle and sarcoma, were carried out. It was found that the sera of rats with an acquired tolerance displayed in half of the cases pronounced differentiating properties in the presence of extracts from normal and sarcoma tissues, regardless of whether the antigen from the normal tissue had been taken in double amount or not. The sera of 4 control animals gave high titres in complement-fixation tests, but showed no differentiating effect in the presence of Rous sarcoma and normal tissue extracts. Six other rats with acquired tolerance were administered additionally, at the age of 6 months, 2.5 ml. of Rous sarcoma extract i.p. It was found that the sera of most rats retained their differentiating properties. It is thus possible to make sera reacting selectively with a neoplastic, virus-containing tissue. The same results were obtained in the author's experiments on human neoplasms.

Albert – Wroclaw

DUBOVIK, A.I.; KIDNOVER, I.M., professor, zaveduyushchiy.

Foreign body in the larynx retained during 10 days. Vest.oto-rin. 15 no.3: 87 My-Je '53. (MLRA 6:8)

1. Klinika bolezney ukha, gorla i nosa Irkutskogo meditsinskogo instituta.
(Larynx--Foreign bodies)

MISHARIN, A.P.; FILENIUS, V.A.; TERSKHOVA, A.L.; GROTSKIY, M.R.; GOLENYAK, L.L.; KRUKOVER, I.M., professor, direktor.

Remote results of the intra-tonsillar method of therapy in chronic tonsillitis and atrophic rhinopharyngolaryngitis. Vest.oto-rin. 15 no.5:48-52 S-O '53. (MLRA 6:11)

1. Klinika bolezney ukha, gorla i nosa Irkutskogo meditsinskogo instituta. (Tonsils--Diseases) (Larynx--Diseases)

EWT(m)/EWP(w)/EWP(t)/ETI IJP(c) JD/WW

ACC NR: AP6027799 SOURCE CODE: UR/0126/66/022/001/0144/0147

AUTHOR: Krukover, P. I.; Buravikhin, V. A. 38

ORG: Irkutsk Pedagogical Institute (Irkutskiy pedinstitut)

TITLE: Mechanical properties of thin polycrystalline films of iron, nickel and permalloy

SOURCE: Fizika metallov i metallovedeniye, v. 22, no. 1, 1966, 144-147

TOPIC TAGS: polycrystalline film, permalloy, iron, nickel, Young modulus, tensile strength

ABSTRACT: Considering that thin films of Fe, Ni and their alloys find broad applications in modern microelectronics and computer engineering, an investigation of their mechanical properties and primarily of elastic deformation and Young's modulus would be of major interest. Accordingly, the authors measured the tensile strength, elastic limit and Young's modulus of free films of Fe and Ni and permalloy (20% Fe-80% Ni) 180 to 2500 Å thick, obtained by evaporating the original pure metals and the 20% Fe-80% Ni alloy in a vacuum of the order of $\sim 10^{-5}$ mm Hg at the rate of ~500 Å min^{-1} on polished glass substrates coated with NaCl. The film thickness was determined optically with the aid of lines of equal chromatic order. Tensile strength was determined as a function of the radius of the buckled part of the thin film, the

UDC: 539.216.2:539.4

Card 1/2

thickness of the film and the pressure difference above the upper and below the lower surfaces of the film. Findings: at substrate temperatures T_s of up to 300°C the highest tensile strength (130 kg-mm^{-2}) is displayed by Ni films obtained at T_s = 220°C; such a tensile strength is about 4.5 times as high as the tensile strength of annealed Ni. A similar pattern was observed for Fe and permalloy films. Young's modulus, as determined from stress-strain curves for films from 200 to 2500 Å thic' amounts to 22,000-24,000 kg-mm^2, i.e. it is 10-15% higher than for annealed Ni. The reputed decrease in the strength of thin films with increase in their thickness from 200 to 2500 Å could not be confirmed, apparently owing to the non-uniform thickness of the films. On maintenance of the films in stressed state (under a stress close to elastic limit) for 2 hr no creep was observed. Orig. art. has: 3 figures, 1 table.

SUB CODE: 20, 11/ SUBM DATE: 25Aug65/ ORIG REF: 004/ OTH REF: 004

Card 2/2 not

KRUKOVETS, F I.

PHASE I BOOK EXPLOITATION SOV/4682

Averbukh, Solomon Khononovich, Il'ya Aronovich Kneller, and Faina Isaakovna Krukovets

Industrial'nyye pomekhi televideniyu i metody ikh podavleniya (Industrial Interferences to Television and Methods for Their Suppression) Moscow, Svyaz'izdat, 1960. 66 p. 20,000 copies printed.

Resp. Ed.: A.Ya. Breytbart; Tech. Ed.: G.I. Shefer; Ed.: L.I. Vengrenyuk.

PURPOSE: This booklet is intended for radio amateurs and persons concerned with the problems of noise immunity.

COVERAGE: The booklet contains the fundamentals on industrial radio interferences to television reception and on methods of eliminating them. N.N Fetter and Ya.I. Azbel', scientific workers of the Tsentr tekhnicheskogo radiokontrolya (TsTRK) (Technical Radio-Control Center), wrote the chapter on measuring equipment and detection of interference sources. The authors thank for their assistance V.P. Pevnitskiy, A.Ya. Breytbart and A.P. Shchetinin. There are no references.

TABLE OF CONTENTS:

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KELLER, Il'ya Aronovich; KHLEBNIKOV, Valeriy [illegible], Natal'ya Nikolayevna; MOZZHUKHIN, M.M., red.

[Industrial interference on television screens] Industrial'nye pomekhi na ekranakh televizorov. Moskva, Sviaz', 1965. 67 p. (Biblioteka "Televizionnyi prier," no.20) (MIRA 18:11)

KHELLER, Il'ya Aronovich; KHUKOVETS, Faina Isaakovna; FETTER, Natal'ya Nikolayevna; LIBERZON, L.G., red.; SLUTSKIY, A.A., tekhn. red.

[Industrial interference on the screens of television receivers] Industrial'nye pomekhi na ekranakh televizorov. Moskva, Sviaz'-izdat, 1962. 65 p. (Biblioteka "Televizionnyi priem," No.4) (MIRA 15:10)

(Television--Interference)

KNELLER, Il'ya Aronovich; KRUKOVETS, Faina Isaakovna; FETTER, Natal'ya Nikolayevna; LIBERZON, L.G., red.; SLUTSKIN, A.A., tekhn. red.

[Industrial interference on television screens] Industrial'nye pomekhi na ekranakh televizorov. Izd.2., Moskva, Sviaz'izdat, 1963. 67 p. (Biblioteka "Televizionnyi priem," no.7) (MIRA 16:6)

(Television--Interference)

PALIUSCINSKAJA, N.; KRUKOVSKAJA, I.; GORIUNOVA, N.

Observations on the course of labor in patients with rheumatic heart disease. Sveik. apsaug. 8 no.11:17-22 '63.

1. Respublikine Vilniaus klinine ligonine. Vyr. gydytojas - V. Zygas, reumatologijos skyriaus vedeja - G. Stasiulionyte, akuserijos-ginekologijos skyriaus vedejas - A. Striupas.
(LABOR) (RHEUMATIC HEART DISEASE)
(PREGNANCY COMPL., CARDIOVASCULAR)

PALIUSCINSKAJA, N.; PTASEKAS, R.; KRUKOVSKAJA, I.; GORIUNOVA, N.

Clinico-anatomical analysis of mortality of pregnant women with rheumatic heart disease. Sveik. Apsaug. no.4:10-14 '64.

1. Lietuvos respublikine Vilniaus klinine ligonine (Vyr. gydytojas - V. Zygas). TSRS MMA Lietuvos eksperimentines medicinos institutas. (Direktore - E. Karosiene).

BRAUN, M. P., doktor tekhn. nauk; KRUKOVSKAYA, G. I., inzh.

Convertible temper brittleness in chromium-silicon-manganese steel castings. Mashinostroenie no.5:54-57 S-O '62. (MIRA 16:1)

1. Institut liteynogo proizvodstva AN UkrSSR.

(Steel castings)

BRAUN, M.P.; KRUKOVSKAYA, G.N.

Regularities of adsorption in metals and alloys. Struk.i svois. lit.splav. no.1:82-94 '62. (MIRA 15:5)
(Dislocations in metals) (Adsorption)

BRAUN, Mikhail Petrovich; VINOKUR, Bertol'd Bentsionovich; CHERNYY, Viktor Gavrilovich; CHERNOVOL, Arkadiy Vasil'yevich; KOSTYRKO, Oleg Stepanovich; ALEKSANDROVA, Natal'ya Pavlovna; KRUKOVSKAYA, Galina Nikolayevna; TIKHONOVSKAYA, Larisa Dmitriyevna; LYKSHENKO, Lyudmila Aleksandrovna; FIKSEN, N.V., kand. tekhn. nauk, otv. red.; POKROVSKAYA, Z.S., red.; KADASHEVICH, O.A., tekhn. red.

[Alloys with addition elements] Legirovannye splavy. [By] M.P. Braun i dr. Kiev, Izd-vo AN Ukr.SSR, 1963. 142 p.
(MIRA 16:8)

(Alloys--Metallurgy)
(Foundries--Equipment and supplies)

ACC NR: AP7000593 (A) SOURCE CODE: UR/0129/66/000/011/0021/0022

AUTHOR: Braun, M. P.; Krukovskaya, G. N.

ORG: Institute of Casting Problems (Institut problem lit'ya)

TITLE: Temper brittleness of cast steel

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 11, 1966, 21-22

TOPIC TAGS: cast steel, steel tempering, ~~steel temper~~ brittleness, temper brittleness prevention/25KhGSL steel

ABSTRACT: The effect of cooling conditions after tempering on the temper brittleness of 25KhGSL cast steel has been studied. Steel specimens of various heats (0.28 to 0.30% C, 1.04—1.14% Cr, 0.91%—1.16% Mn, and 1.03—1.24% Si) were annealed at 910C, tempered at 660C, and cooled in air, in a furnace at a rate of 180C or 10C per hour, or were cooled in potassium nitrate heated to 380C and then in a furnace at a rate of 180C per hour. It was found that, depending steel composition, the room-temperature notch toughness of specimens cooled in water is 3.6—5.5 kgm/cm^2, and of those cooled in stages is 3.3—5.1 kgm/cm^2. The NDT temperature gradually decreases with an increase in cooling rate: -35C in specimens cooled in water and -15C in specimens cooled in stages. Alloying 25KhGSL steel with 0.4% and 0.7% W increases the notch toughness by 20—25% and decreases the NDT temperature to -65 to -70C. The complete prevention of reversible temper brittleness in cast chromansil-type

Card 1/2 UDC: 669.14.018:298.539.36

ACC NR: AP7000593

steel susceptible to reversible temper brittleness can be achieved only by combining additional alloying with cooling in stages. Orig. art. has: 1 figure and 2 tables.

SUB CODE:11,13/ SUBM DATE: none/ ORIG REF: 003/ OTH REF: 002/

Card 2/2

KRUKOVSKAYA, O.N.; MARKOVSKIY, V.I.

Study of the distribution of phosphorus during the development of reversible temper brittleness in steel 25KhGSL. Zav.lab. 30 no.4:464-465 '64. (MIRA 17:4)

1. Institut liteynogo proizvodstva.

LAVRENCHUK, M.I.; KRUKOVSKAYA, G.Ye.

Use of paper chromatography for characterizing and identifying actinophages. Mikrobiologiia 33 no.5:904-912 S-O '64. (MIRA 18:3)

1. Institut mikrobiologii AN SSSR.

KRUKOVSKAYA, V. F.

Krukovskaya, V. F. -- "Clinical X-Ray Investigation of So-Called Light Athletic Wounds." State Order of Lenin and Order of Labor Red Banner Inst of Physical Culture imeni P. F. Lesgaft. Chair of Therapeutic Physical Culture and Medical Control. Leningrad, 1956. (Dissertation for the Degree of Candidate in Medical Science)

So: Knizhnaya Letopis', No 1[illegible], 1956

KRUKOVSKAYA, V.F.

Fractures of the spinous and transverse processes of the spine in athletes caused by indirect strain. Vest. rent. i rad. 32 no.1:33-37 supplement '57 (MLRA 10:5)

1. Iz rentgenologicheskogo otdeleniya Leningradskogo nauchno-issledovatel'skogo instituta travmatologii i ortopedii.
(SPINE, fract.
spinous & transverse processes)

KRUKOVSKAYA, YE. L.

"Physicochemical Analysis of the CrF_3 - RbF - H_2O and CrF_3 - CsF - H_2O Systems at 25 Degrees Centigrade." Min. Higher Education USSR, Central Asiatic State U imeni V. I. Lenin, Tashkent, 1955. (Dissertation for the Degree of Candidate of Chemical Sciences)

SO: Knizhnaya Letopis', No. 22, 1955, pp 93-105

80320
SOV/81-59-7-22501

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5.4210

Translation from: Referativnyy zhurnal. Khimiya, 1959, Nr 7, p 60 (USSR)

AUTHORS: Talipov, Sh.T., Krukovskaya, Ye.L.

TITLE: The Study of the Solubility of "CrF_3-RbF-H_2O" and "CrF_3-CsF-H_2O" Systems (25°C)

PERIODICAL: Tr. Sredneaz. un-ta, 1958, Nr 84, pp 3 - 22

ABSTRACT: The following values of solubility were determined at 25°C (in %, in parentheses the composition of the solid phase): CrF_3 3.39 ($CrF_3 \cdot 3H_2O$), RbF 74.3 ($RbF \cdot H_2O$), CsF 83.7 ($CsF \cdot H_2O$). In the CrF_3-RbF-H_2O system at 25°C and a RbF concentration of 4-40%, $2RbF \cdot CrF_3 \cdot H_2O$ (I) is the equilibrium bottom phase. At a RbF concentration of > 40% equilibrium is established extremely slowly; the composition of the bottom phase approaches I in proportion to an increase in the holding time. In the CrF_3-CsF-H_2O system at 25°C, $2CsF \cdot CrF_3 \cdot H_2O$ (II) (at a CsF concentration of 13 - 58%) and $3CsF \cdot CrF_3$ (III) (at a CsF concentration

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The Study of the Solubility of "CrF_3-RbF-H_2O" and "CrF_3-CsF-H_2O" Systems (25°C)

of 58 - 70%) were found; the eutonics of II - III contains 58.50% CsF and 0.16% CrF_3. In the region of high CrF_3 concentrations, oversaturation is observed, in both systems, which is maintained for a long time. The synthesis of I, II and III was described.

I. Ryss

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TALIPOV, Sh.T.; KRUKOVSKAYA, Ye.L.; RASULEVA, Sh.

Solubility of cerium (III) oxalate in solutions of iron (III), aluminum, and uranyl nitrates at 25 . Uzb.khim.zhur. no.2:18-24 '61. (MIRA 14:10)

1. Tashkentskiy gosudarstvennyy universitet imeni V.I.Lenina.
(Cerium oxalate) (Solubility) (Cations)

SOSNINA, A.M.; KHUKOVSKAYA, Ye.N.

Some peculiarities of the clinical and roentgenological course of pneumonia in small children. Pediatriia 39 no.1:79 Ja-F '56.
(PNEUMONIA) (MIRA 10:1)
(LUNGS--RADIOGRAPHY)

73-3-12/24

AUTHOR: Moshchinskaya, N. K. and Krukovskaya, Z. E.

TITLE: Investigations in the Diarylmethane Series and Their Derivatives. 5. Synthesis of Phenylnaphtylmethanes by Condensing Formaldehyde with Benzene and Naphthalene. (Issledovaniya v Ryadu Diarilmetanov i ikh Proizvodnykh 5. Sintez Fenilnaftilmetanov Kondensatsiyey Formal'degida s Benzolom i Naftalinom).

PERIODICAL: Ukrainskiy Khimicheskiy Zhurnal, 1957, Vol. 23, No.3, pp. 353-357 (USSR).

ABSTRACT: Phenylnaphthylmethanes were prepared in mixtures with diphenylmethane and dinaphthylmethane by condensing formaldehyde with benzene and naphthalene in the presence of sulphuric acid. The three compounds could be separated easily (by fractional distillation. This experiment was first carried out in 1948-1949 (Ref. 10). The authors have investigated the quantitative synthesis of the compound as well as the isomerisation of phenylnaphtylmethanes by using catalysts. The solidification points of mixtures of isomeric phenylnaphtylmethanes in relation to their structure was determined as well as the isomeric structure of phenylnaphthylmethanes which are formed when using various synthesis methods. The investigations proved also that zinc chloride and sulphuric acid do not

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Investigations in the Diarylmethane Series and Their Derivatives. 5. Synthesis of Phenylnaphtylmethanes by Condensing Formaldehyde With Benzene and Naphthalene.

cause the isomerisation of either α- or β-phenylnaphthylmethane. However, in the presence of aluminium chloride the isomers are alkylated and naphthaline, a mixture of isomeric phenylnaphthylmethanes (containing a larger amount of the β- component) and 2,6-dibenzylnaphthaline as well as other condensation products are formed. Grabowski's (Ref. 14) synthesis was used for preparing 1,1'-diphenylmethane but the method was modified slightly in order to achieve higher yields. A quantity of 1,2'-dinaphthylmethane was also obtained. Experimental details of the various methods of synthesis and the isomerisation of phenylnaphthylmethanes are given. A table gives the percentage composition of the isomeric mixture, a second table the dependence of the isomeric structure of phenylnaphthylmethane on the synthesis method and on the catalyst. There are 2 tables and 17 references, 10 of which are Slavic.

SUBMITTED: November, 9, 1956.
AVAILABLE: Library of Congress.
Card 2/2

S/073/60/026/005/018/019
B004/B063

AUTHORS: Moshchinskaya, N. K., Krukovskaya, Z. E.

TITLE: Composition of Mixtures of Tolyl-naphthyl Methane Isomers Obtained by Different Methods

PERIODICAL: Ukrainskiy khimicheskiy zhurnal, 1960, Vol. 26, No. 5, pp. 674 - 675

TEXT: The preceding paper (Ref.1) describes the synthesis of p-tolyl-α-naphthyl methane by: a) condensation of a mixture of toluene and naphthalene with formaldehyde; b) condensation of α-chloromethyl naphthalene with toluene. The present paper describes another method, c): condensation of a mixture of chloromethyl toluene isomers with naphthalene at 100 - 110°C in the presence of $ZnCl_2$. Furthermore, p-tolyl-α-naphthyl methane and the new compound o-tolyl-α-naphthyl methane were separated from the mixtures obtained by the three methods. This was achieved by crystallization of the picrates. The two compounds obtained were identified from infrared spectra. Method b) gives 65% p-isomer and 22% o-isomer, whereas methods a) and c)

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Composition of Mixtures of Tolyl-naphthyl Methane Isomers Obtained by Different Methods

S/073/60/026/005/018/019
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give 50% p-isomer and 23% o-isomer. The β-naphthyl derivatives could not be isolated. There are 2 Soviet references.

ASSOCIATION: Dnepropetrovskiy khimiko-tekhnologicheskiy institut (Dnepropetrovsk Institute of Chemical Technology)

SUBMITTED: October 19, 1959

Card 2/2

KRUKOVSKAYA, Z.G.

Work practices of the Chernovtsy bakery. Khleb.i kond.prom. 6 no.6:32-33 Je '62. (MIRA 15:7)

1. Chernovitskiy khlebokombinat.
(Chernovtsy--Bakers and bakeries)

KRUKOVŠKIS, E. V.

SOV/77-4-2-15/18

25(4) 25(5)

AUTHOR: Lyalikov, K.S.

TITLE: Successes of Soviet Electrophotography (Uspekhi sovetskoy elektrofotografii) A Scientific and Technical Conference on Questions of Electrography (Nauchno-tekhnicheskaya konferentsiya po voprosam elektrografii)

PERIODICAL: Zhurnal nauchnoy i prikladnoy fotografii i kinematografii, 1959, Vol 4, Nr 2, pp 149-152 (USSR)

ABSTRACT: This is an account of a scientific and technical conference on electrography, the first to be held in the Soviet Union and evidently in the world. It was organized in Vil'nyus on December 16-19, 1958 by the Sovet narodnogo khozyaystva Litovskoy SSR (Council for National Economy of the Lithuanian SSR), the Gosudarstvennyy nauchno-tekhnicheskiy komitet Soveta ministrov Litovskoy SSR (State Scientific and Technical Committee of the Council of Ministers of the Lithuanian SSR) and the Nauchno-issledovatel'skiy institut elektrografii (Scientific Research Institute of Electrography). The conference, attended by over 300 scientific workers, was opened by the Deputy Chairman of the Council for National Economy of the Lithuanian SSR P.A. Kul'vets, after which the director of the Institute for Electrography, I.I.Zhilevich, reviewed the state and prospects for development of electrography in the USSR. He stated that research in this field should be carried out along the following lines: a) a search for new photo-active materials with high dark resistance; b) physical research into the internal photoeffect; c) development of photosemiconductor layers; d) development of the theory of the electrophotographic process. K.S. Lyalikov (speaking also for O.G. Popova) gave a report in which he suggested determining the light sensitivity of electrophotographic layers in GOST units. N.Z. Pirvina (speaking also for I.I.Zhilevich, L.I.Sryun'ko, Z.S.Karkevich, P.I. Kalinauskene and O.M. Saveyzdis) reported on some research on the sensitization of a semiconductor in electrophotographic layers. V.M. Fridkin gave a report on highly sensitive electrophotographic layers and an electrophotocopying device, and reviewed the formation process of the latent electrophotographic image on the basis of the zonal theory. He also described the design of an electrosensitometer for determining sensitivity by the relaxation period of a charge on the surface of the layer, and the circuit of an electrophotographic copying device. Anfilov finished describing the latter and then spoke on the mechanics and kinetics of the development of the latent electrophotographic image in liquid developers.

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Successes of Soviet Electrophotography: A Scientific and Technical Conference on Questions of Electrography

K.M. Vinogradov described some of the features of the cascade and liquid methods of electrophotographic development. Yu.Ye. Karpeshko devoted his report to the criterion of light sensitivity of the elctrophotographic process. After the reports, a discussion took place on methods of determining the light sensitivity of electrophotographic layers. A.N. Chernyshev spoke on the prospects of developing polygraphic processes using electric and magnetic forces. O.V. Gromov (speaking also for I.I. Zhilevich, A.A. Sukhiy, V.A. Gordeyeva, A.S. Pausha and Yu. I. Kovalaytis) reported on the development of elctrophotographic reproducing equipment. A.S. Pausha (speaking also for I.I. Zhilevich, A.S. Borisovich, N.M. Gal'vidiks and M.I.Bautkauskas) reported on the use of electrographic methods in recording oscillographs and other recording instruments.

V.F. Yurchenko (speaking also for L.N.Balin) spoke on the possibility of electrophotographically recording images from electron-beam tubes. L.S. Korol' (speaking also for M.S. Markevich, T.I. Kozlovskaya, B.I. Kalinauskene, M.K. Naynene, I.I. Zhilevich and E.A. Montrimas) gave a detailed description of laboratory and machine methods of producing photosemiconductor papers (zinc oxide was used). A.A. Sukhiy (speaking also for I.I. Zhilevich, O.V. Gromov, V.A. Gordeyev, N.V. Fedotov and T.N. Ger) described a laboratory and industrial machine for producing photosemiconductor papers. T.A. Shishkina (speaking also for Ye.A. Oksman) reported on a method of examining electrophotographic materials using an a/c bridge. S.I. Khotyanovich (speaking also for A.I. Gikens and I.S. Lilleykene) spoke on developing materials for electrophotography and ferromagnitography, including developers giving a "reverse" image. B.I. Tikhonov reviewed methods of measuring the electrostatic potentials of electrophotographic layers, stressing that the oscillating electrode should not be placed above a layer with varying potential as this causes self-discharge. A.V. Krukovskis (speaking also for R.S.Gorevcy, A.A.Osipov and Ye. S. Kheyfets) spoke on the practice of producing velveteen papers in an electrostatic field, and showed samples produced by the Grigishskaya paper factory. Ye.L. Nemirovskiy then gave a historical review of the development of electrographic methods in which he paid tribute to the work of the Scientific Research Institute of Electrography in Vil'nyus and the Institut poligraficheskogo mashinostroyeniya (Moskva)-(Polygraphic Machine-Building Institute (Moscow)). Debates were then held

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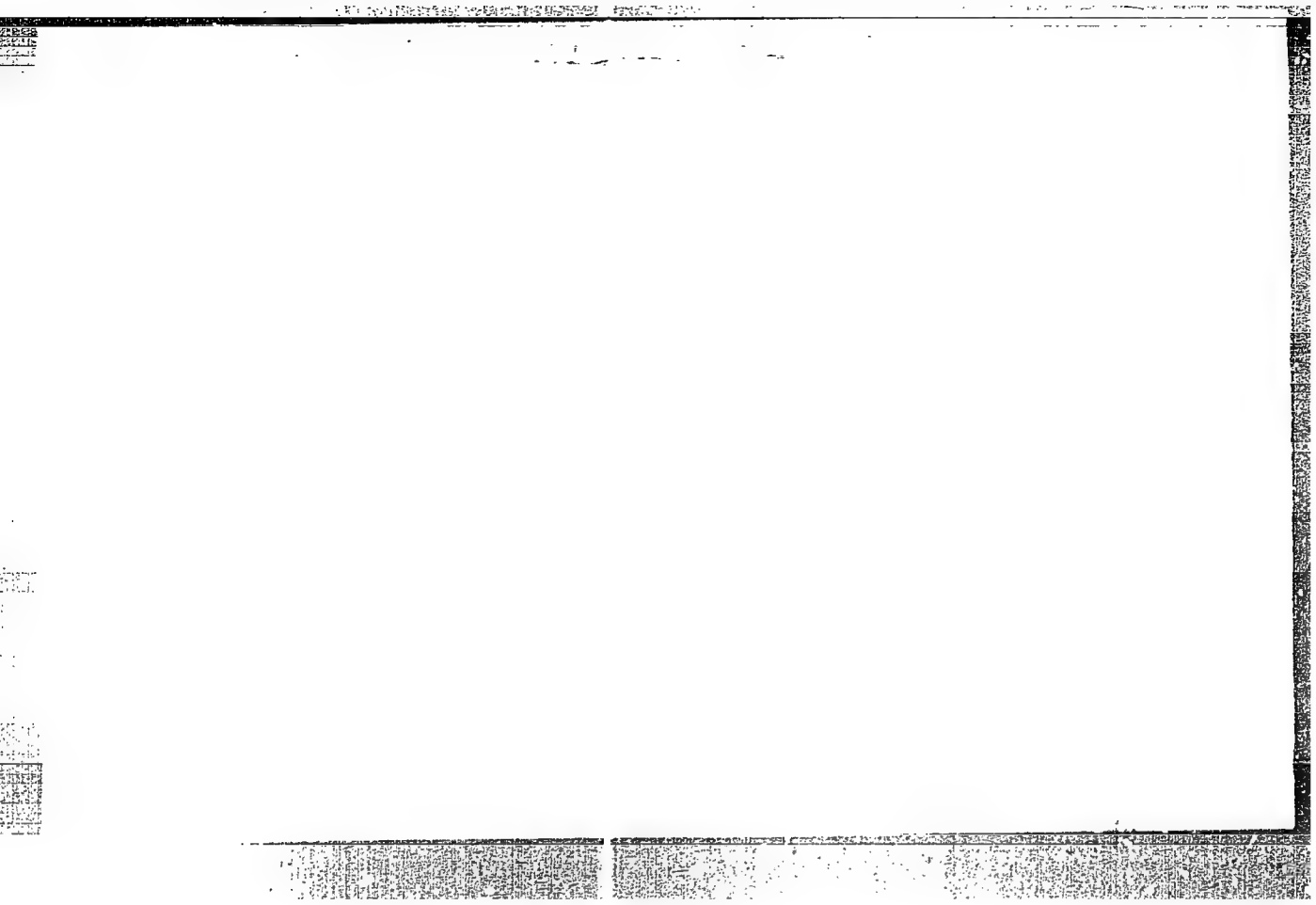

KRUKOVSKIY, B.V.

Krukovskiĭ (Krukovskii-Slaviĕ), B. V. On the relation between some formulas [illegible]

KRUKOVSKIY, B.V. (Krukovskiy-Sinevich, B.V.), prof.

Some remarks on the multiplication theorem of infinite determinants and matrices. Trudy Kiev. avt.-dor. inst. no.3:168-176 '57.
(Matrices) (MIRA 11:5)

KRUKOVSKIY, E.I.

Using wood plastics in the machinery industry. Mashinostroitel' no. 1:40-42 Ja '66 (MIRA 19:1)

135-58-8-18/20

AUTHOR: Krukovskiy, I. V., Head of the Training-Course Section

TITLE: Raising the Qualifications of Workers in Gas-Flame Metal Treatment (Povysheniye kvalifikatsii rabotnikov po gazo-plamennoy obrabotke metallov)

PERIODICAL: Svarochnoye proizvodstvo, 1958, Nr 8, p 46 (USSR)

ABSTRACT: Data is given on short-term training courses (of 10 to 20 days) in new methods of gas-flame metal working organized by VNIIAvtogen for qualified workers, brigade leaders masters and technologists. The courses are held in Moscow.

ASSOCIATION: VNIIAvtogen

1. Welders--Qualifications

Card 1/1

GUL', Sergey Mikhaylovich; KAMENEV, Nikolay Pavlovich; KOPYLOV, Boris Mikhaylovich; KRUKOVSKII, Ignatiy Vladislavovich; NEDOSEKIN, Dmitriy Fedorovich; SEMERIKOV, Ivan Vasil'yevich; BARINOV, V.A., prof., doktor, retsenzent; KHRENOV, L.S., prof., doktor, retsenzent; KRASNOSHCHEKOV, A.N., prepodavatel', retsenzent; POLUNICHEV, I.A., red. izd-va; BACHURINA, A.M., tekhn. red.

[Laboratory manual of geodesy] Rukovodstvo dlia prakticheskikh zaniatii po geodezii. Moskva, Goslesbumizdat, 1960. 266 p. (MIRA 14:7)

1. Moskovskiy lesotekhnicheskiy institut (for Barinov). 2. Moskovskiy institut inzhenerov vodnogo khozyaystva imeni Ye.R.Vil'yamsa (for Khrenov). 3. TSentral'nyy zaochnyy lesotekhnicheskiy tekhnikum (for Krasnoshchekov)

(Surveying—Handbooks, manuals, etc.)

CHEKAYDA, S.G., kand. tekhn. nauk; TRACHUK, S.V., inzh.; BONDAR', B.P., inzh.; KRUKOVSKIY, L.N., inzh.

Photoelectric level regulators. Khim. mashinostr. no.1:136-139 '65. (MIRA 18:9)

TAGUNTSEV, Sergey Dmitriyevich; KRUKOVSKIY, M.N., retsenzent; KHISHTAL', L.I., red.; MEDVEDEVA, M.A., tekhn. red.

[Potentialities of material savings in railroad transportation] Rezervy ekonomii materialov na zheleznodorozhnom transporte. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia, 1961. 39 p. (MIRA 14:11)
(Railroads—Management)

KRUKOVSKII, M. Ia.

Krukovskii, M. Ia. (Principles of operation of hydrotechnical installationsin the hydroelectric stations.) Printsipy ekspluatatsii gidrotekhnicheskikh sooruzhenii gidroelektrostantsiil Leningrad, Gos. Energ. izd-vo, 1951, 133 p.

Available: Library of Congress

Source: Monthly List of Russian Accessions, Vol. 5, No. 1. Page 15

MOZHEVITINOV, A.L.; KRUKOVSKIY, M.Ya., redaktor; ZAHRODINA, A.A., tekhnicheskiy redaktor; VORONIN, K.P., tekhnicheskiy redaktor.

[Hydroelectric plant spillways and discharge pipes] Vodosbrosy i vodospuski gidroelektricheskikh stantsii. Moskva, Gos. energ. izd-vo, 1953. 70 p. (V pomoshch' gidroenergeticheskim stroikam, no. 19) (Hydroelectric power stations) (Spillways) (MLRA 7:9)

BIBIKOV, D.N., redaktor; KRUKOVSKIY, M.Ya., redaktor; ZABRODINA, A.A., tekhnicheskiy redaktor.

[Floating ice and water temperature problems in water power engineering; collection of articles] Ledotermicheskie voprosy v gidroenergetike; sbornik statei. Moskva, Gos. energ. izd-vo, 1954. 264 p. (MLRA 7:12)

(Hydroelectric power stations) (Ice on rivers, lakes, etc.)
(Rivers--Temperature)

BOROVOY, A.A., red.; VASIL'YEV, P.I., red.; GIRSHKAN, I.A., red.; IORISH, Ye.L., red.; KHUKOVSKIY, M.Ya., red.; SAMOSTRELOV, P.V., red.; ZABRODINA, A.A., tekhn. red.

[Designing and building large dams; from papers of the Fifth International Congress on Large Dams] Proektirovanie i stroitel'stvo bol'shikh plotin; po materialam V Mezhdunarodnogo kongressa po bol'shim plotinam. Moskva, Gos. energ. izd-vo, 1958. 414 p. (MIRA 11:10)

(Dams)

EYDEL'MAN, Solomon Yakovlevich; NILENDER, Yu.A., prof., doktor tekhn. nauk, retsenzent; KRUKOVSKIY, M.Ya., red.; ZHITNIKOVA, O.S., tekhn.red.

[Actual testing of concrete hydraulic structures] Naturnye issledovaniia betonnykh gidrotekhnicheskikh sooruzhenii. Moskva, Gos.energ.izd-vo, 1960. 209 p. (MIRA 13:7)
(Hydraulic structures--Testing)

SYROYEZHIN, Mikhail Ivanovich; KRUKOVSKIY, M.Ya., red.; SOBOLEVA, Ye.M., tekhn. red.

[Designing, building, and operating the buildings of hydroelectric power stations] Iz opyta proektirovaniia, stroitel'stva i ekspluatatsii zdanii gidroelektrostantsii. Moskva, Gos.energ.izd-vo, 1961. 119 p. (MIRA 14:12)

(Hydroelectric power stations)

ADAMOVICH, Aleksey Nikolayevich; KOLTUNOV, Dmitriy Vasil'yevich; KRUKOVSKIY, M.Ya., nauchn. red.; VAYTS, V.M., red.

[Cementing foundations of hydraulic structures] Tsementatsiia osnovanii gidrosooruzhenii. Izd.2., dop. Moskva, Izd-vo "Energiia," 1964. 513 p. (MIRA 18:1)

KRUKOVSKIY, M.Ya., red.

[Instructions on the design of the ash removal systems of thermal electric power plants] Ukazaniia po proektirovaniiu zolotvalov teplovykh elektricheskikh stantsii. Moskva, Gosenergoizdat, 1964. 78 p. (MIRA 18:5)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy proizvodstvennyy komitet po energetike i elektrifikatsii.

KHUKOVSKIY, N. Ya.

Forest Management

Plan must be divorced from production needs, Les. Khoz. 6, No. 3, 1953.

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

KRUKOVSKIY, P.

Quality again and again! Sov.torg. 35 no.2:6-8 F '62. (MIRA 15:1)
(Textile industry--Standards)

MOSHCHINSKAYA, N.K.; BOYDEN, B.S.; KRUKOVSKIY, S.P.; LAKHMANCHUK, L.S.; MOLOSNOVA, V.P.; CHERTOK, Ye.R.

Synthesis of starting materials for the production of polycondensation resins. Izv.vys.ucheb.zav.; khim.i khim.tekh. 2 no.5:790-796 '59. (MIRA 13:8)

1. Dnepropetrovskiy khimiko-tekhnologicheskiy institut.
(Phenol condensation products)
(Chemistry, Organic--Synthesis)

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AUTHORS: Korshak, V. V., Mozgova, K. K., Krukovskiy, S. P.

TITLE: Synthesis of graft copolymers. X. Grafting of styrene onto polyethylene terephthalate (Lavsan)

PERIODICAL: Vysokomolekulyarnyye soyedineniya, v. 4, no. 11, 1962, 1625 - 1630

TEXT: Lavsan films of about 30μ thickness were copolymerized with styrene at 80°C after activation by heating in air at 100°C. The copolymer yield depends on the activation time of the Lavsan films; it shows a large maximum after 3 min heating, and a smaller maximum after 15 min. The copolymer yield increases with the duration of the copolymerization reaction; a film activated for 3 min absorbs about 70% of its weight of styrene after an 8-hr reaction. About 5% of the styrene quantity used is homopolymerized. The intrinsic viscosity of solutions of grafted films in tricresol increases with the amount of styrene absorbed, reaching a maximum of 1.569 when the content of grafted styrene in relation to the weight of the film used is 106.7%. With growing

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polystyrene content in the copolymer the tensile strength of films decreases, and their relative ductility increases. The grafted films (like pure Lavsan) have a melting temperature of 240 - 242°C. Lavsan films containing 50 - 100% polystyrene undergo only swelling in cold concentrated H_2SO_4, and are not destroyed by boiling 40% KOH even after 100 hrs. There are 6 figures and 2 tables.

ASSOCIATION: Institut elementoorganicheskikh soyedineniy AN SSSR (Institute of Elemental Organic Compounds AS USSR)

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Card 2/2